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eventors: Eric C. Stelter, Joseph E. Guth,
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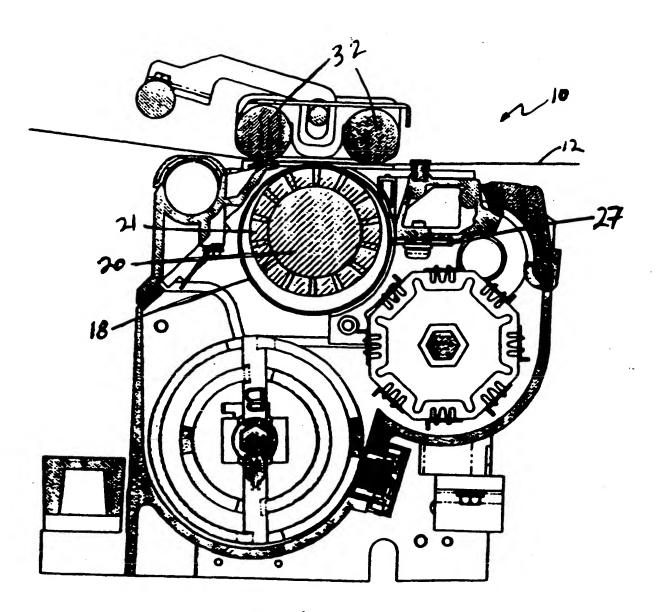
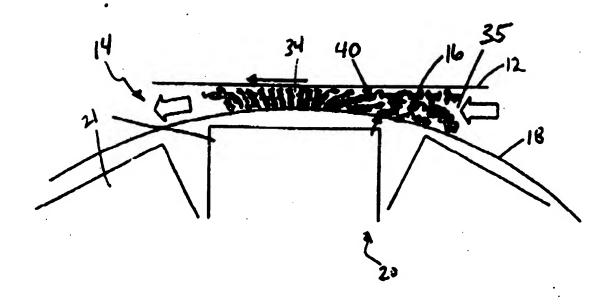


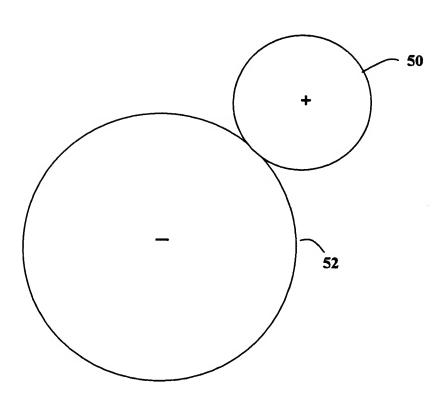
Fig. 1

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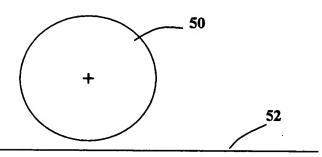
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Fig. 3



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Fig. 4



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Fig. 5

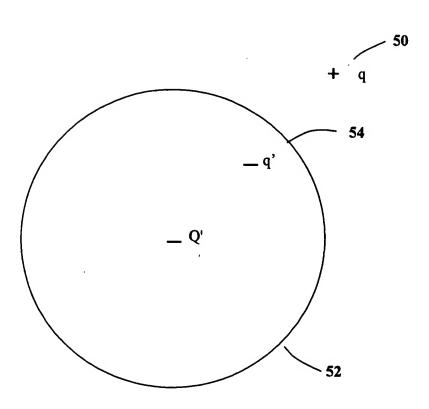


Fig. 6 Force on toner particle

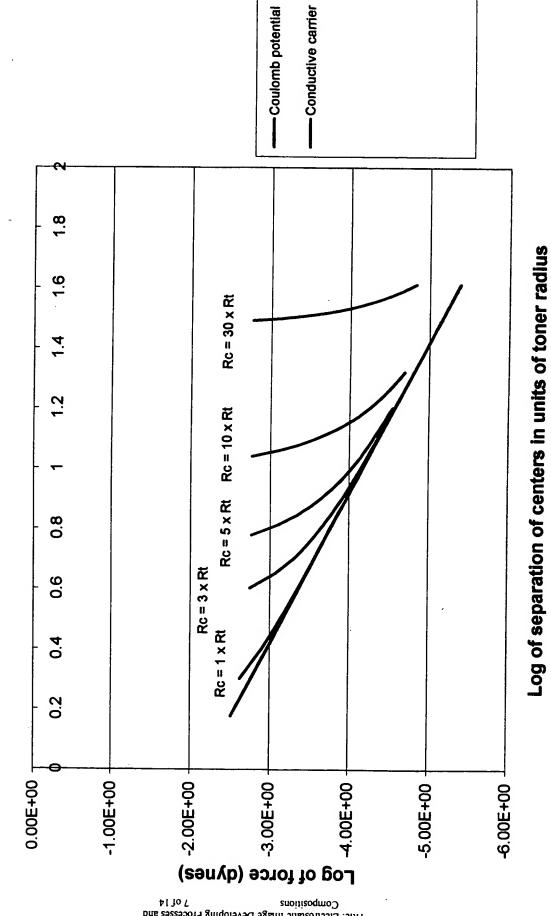
--- Point toner and dielectric sphere 5000 → Point toner and dielectric sphere 100 +- Point toner and dielectric sphere 298 -x-Point toner and dielectric sphere 10 Point toner and dielectric sphere 3 -x-Point toner and dielectric sphere 6 Point toner and conductive sphere ♣ Point particles 35 ဗ္ဂ 25 Carrier radius (units of toner radius) 20 S 0.003 0.0025 0.002 0.0015 0.0005 0 0.001 Attractive force (dynes)

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Fig. 7 Force as a function of carrier size



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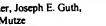
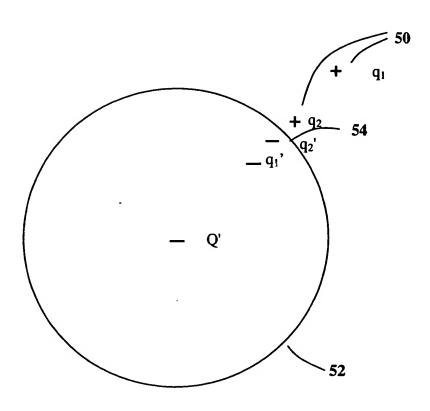




Fig. 8



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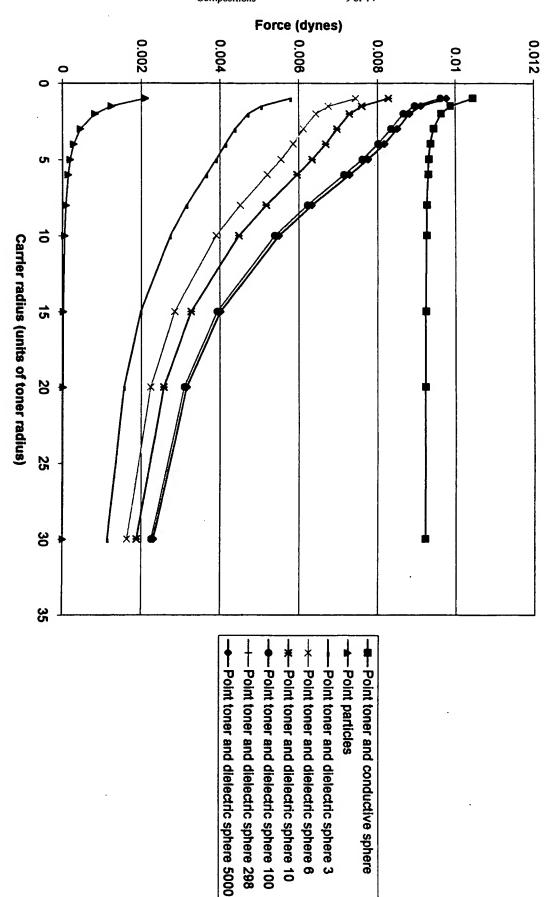
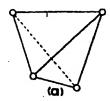


Fig. 9 Force on toner particle: 0.1 q concentrated on surface

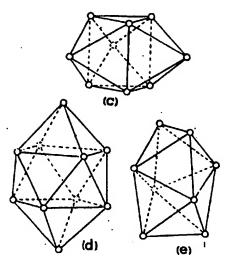
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Fig. 10







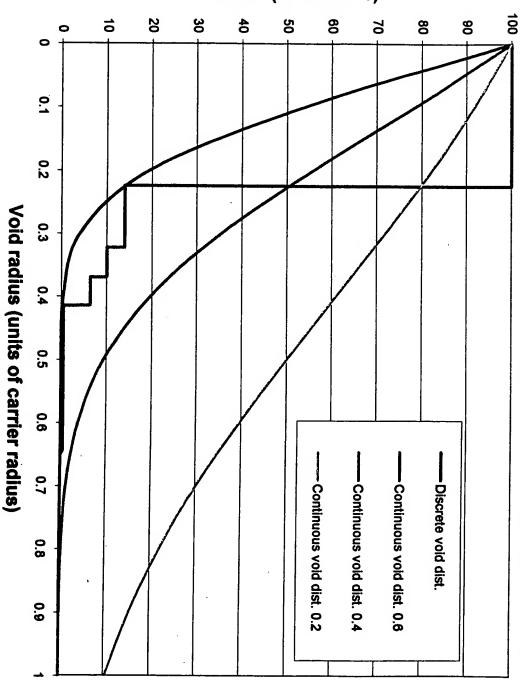
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Percent (cumulative)



Monodisperse particles with packing fraction 0.6 to 0.2 Fig. 11 Void sizes in drphs model

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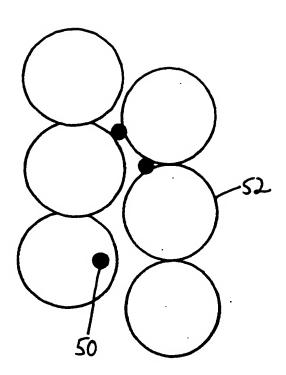


Figure 12

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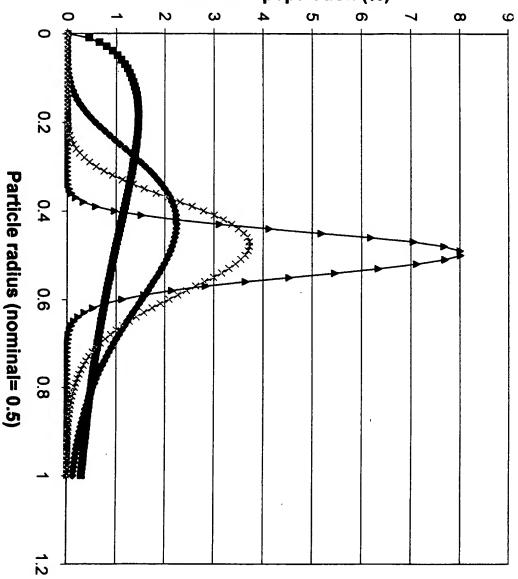
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x-z=20 (typical toner)

-z = 100 (narrow size distribution) -z = 0.6 (broad size distribution) Fig. 13 Schulz distribution

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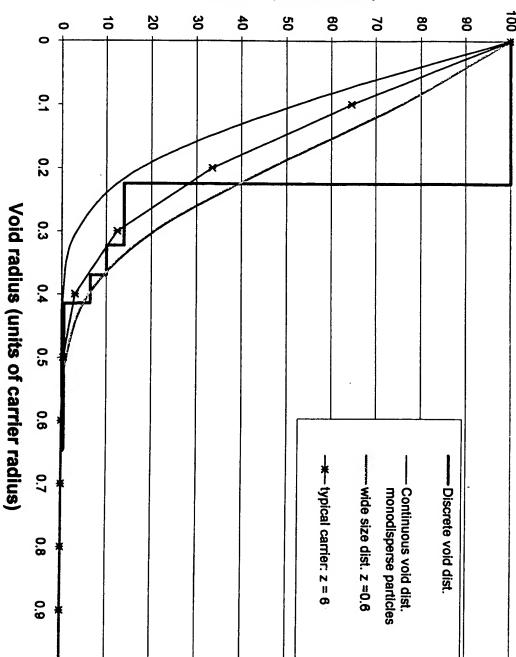


Fig. 14 Void sizes in drphs model